Converting Colors

RYB(58, 224, 106)

Have a look what the booklet for RYB(58, 224, 106) contains.

Color

RYB(58, 224, 106)

Conversions

Conversions Part 1

Format	Color
Hex	B0E03A
RGB	176, 224, 58
RGB Percent	69%, 88%, 23%
CMY	0.3098, 0.1216, 0.7725
CMYK	0.21, 0.00, 0.74, 0.12
HSL	77°, 73%, 55%
HSV	77°, 74%, 88%
XYZ	45.3239, 62.8469, 13.7448
YIQ	190.7240, 24.6780, -61.8020

Conversions

Conversions Part 2

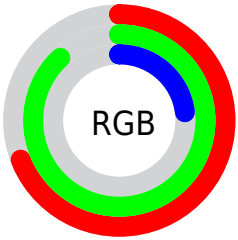
Format	Color
RYB	58, 224, 106
Decimal	11591738
CIELab	83.36, -37.65, 70.99
CIELCh	83, 80.353, 117.943
Yxy	62.8469, 0.3718, 0.5155
Android (android.graphics.Color)	4289781818 (0xFFB0E03A)
YUV	190.7240, -65.4329, -12.9129
Hunter-Lab	79.2760, -36.6807, 45.2136

Details

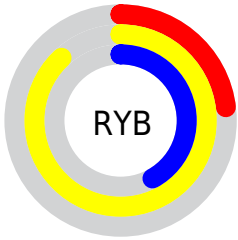
The RYB color 58, 224, 106 is a light color, and the websafe version is hex 99CC33. The color can be described as light washed chartreuse. A complement of this color would be 106, 58, 224, and the grayscale version is 191, 191, 191.

A 20% lighter version of the original color is 116, 255, 136, and 0, 169, 50 is the 20% darker color. If you saturate the color by 10%, you get 36, 224, 90, and if you desaturate by 10%, it is 80, 224, 122.

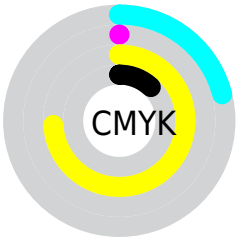
Distribution



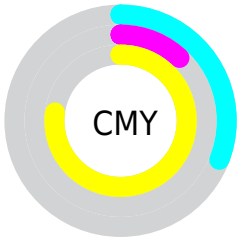
- Red (69%)
- Green (88%)
- Blue (23%)



- Red (23%)
- Yellow (88%)
- Blue (42%)



- Cyan (21%)
- Magenta (0%)
- Yellow (74%)
- Black (12%)



- Cyan (31%)
- Magenta (12%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the RYB color 58, 224, 106 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 58, 224, 106 by changing the saturation by 10% instead.

58, 224, 106

255, 255, 255

116, 255, 136

145, 255, 145

173, 255, 173

202, 255, 202

232, 255, 232

58, 224, 106

20, 196, 69

0, 169, 50

0, 142, 52

0, 116, 54

0, 91, 60

0, 67, 67

0, 44, 44

0, 20, 20

0, 0, 0

58, 224, 106

36, 224, 90

13, 224, 74

0, 224, 65

58, 224, 106

80, 224, 122

103, 224, 138

125, 224, 154

148, 224, 170

170, 224, 186

192, 224, 201

215, 224, 218

228, 224, 237

234, 224, 255

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.

94, 250, 32

58, 224, 106

57, 189, 237

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.

58, 224, 106

0, 122, 255

255, 134, 216

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.

58, 224, 106

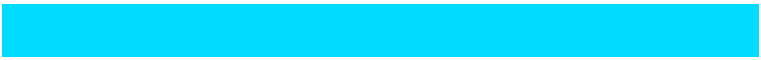
106, 58, 224

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.

255, 156, 255

58, 224, 106



0, 118, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.

58, 224, 106

0, 124, 255

197, 190, 255

255, 143, 141

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.

58, 224, 106

0, 141, 242

197, 190, 255

255, 139, 242

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.

58, 224, 106

199, 255, 215

224, 124, 58

94, 128, 104

0, 0, 0

128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.

58, 224, 106

28, 255, 94

58, 224, 188

101, 112, 104

0, 176, 51

0, 48, 14

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.

106, 58, 224

94, 28, 255

188, 58, 224

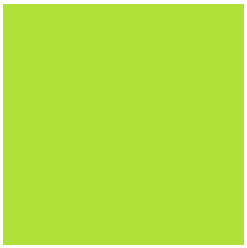
104, 101, 112

51, 0, 176

14, 0, 48

Previews

White Background

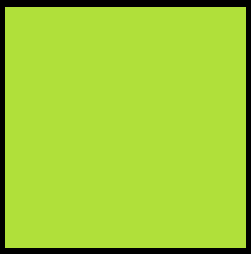


This preview shows how the RYB color 58, 224, 106 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

Black Background



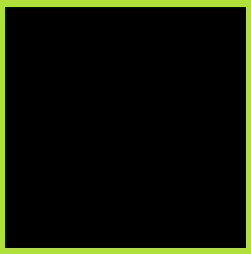
This preview shows how the RYB color 58, 224, 106 looks on a black background.

Color Contrast Check

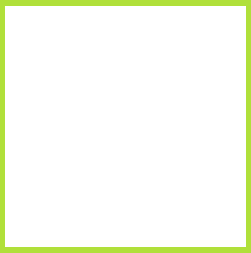
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 58, 224, 106 Background



This preview shows how black text looks on a background with the RYB color 58, 224, 106.



This preview shows how white text looks on a background with the RYB color 58, 224, 106.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their article about color blindness.

Dichromacy

Original Color
58, 224, 106

Protanopia
83, 232, 54

Deuteranopia
182, 255, 92

Tritanopia
194, 204, 225

Trichromacy

Original Color
58, 224, 106

Protanomaly
55, 213, 56

Deuteranomaly
102, 226, 80

Tritanomaly
164, 214, 191

Monochromacy

Original Color
58, 224, 106

Achromatopsia
191, 191, 191

Achromatomaly
143, 203, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 58, 224, 106 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(176, 224, 58) looks like.

```
.text, #text, p{
    color:rgb(176, 224, 58)
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our CSS Text Shadow Generator.

Here you see how black text with a 4 pixel rgb(176, 224, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 224, 58) }
```

Border

The CSS property to change the border of an element to RYB 58, 224, 106 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 224, 58) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(176, 224, 58) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(176, 224, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 224, 58); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 224, 58); box-shadow:4px 4px 4px 4px rgb(176, 224, 58) }
```

Background

The CSS property to change the background color of an element to RYB 58, 224, 106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(176, 224, 58) }
```

If only the background color should be changed can be used:

```
.background{ background-color:rgb(176,
224, 58) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our online CSS compressor and optimizer based on csstidy. If you want to create a linear or radial gradient as background or border, check our CSS Gradient Generator.

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